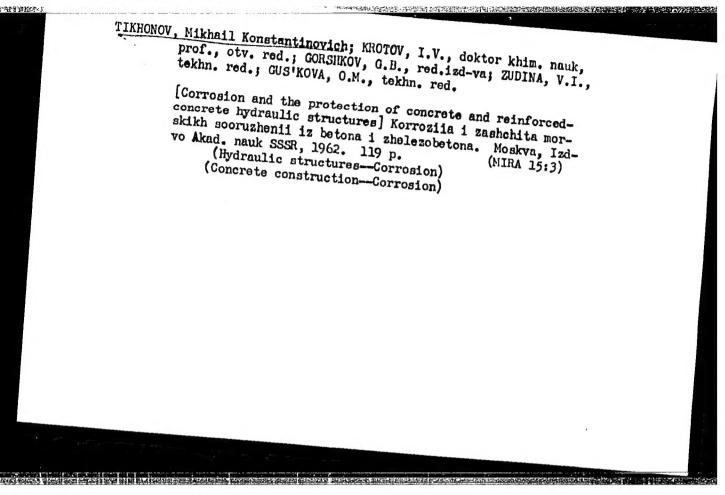


TIKHONOV, M.K.; ZHAVORONKINA, V.K.

Polarographic method for copper determination in sea water. Trudy MCI 19:31-37 '60. (MIRA 14:7) (Sea water—Analysis) (Polarography) (Copper)



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EDTLYAROV, Ya.L., inzh.; TIKHOROV, M.N.

Machining herringbone wheels used in gas-turbine reduction gears.

Mashinostroitel' no.11:22-23 H '58. (MIRA 11:12)

(Gear cutting)

TIKHONOV, Mikhail Nikolayevich; PAKHATURIDI, I.K., red.;
ZAMTSHLYAYEVA, I.M., red. izd-va; KHENOKH, F.M., tekhn.
red.

[Hairdressing; ladies beauty parlors] Parikmakherskoe delo;
zhenskii zal. Izd.2., perer. Moskva, Izd-vo M-va kommun.
khoz.RSFSR, 1963. 141 p. (MIRA 16:7)

(Hairdressing)

IKHCNOV, MN.

114 - 1 - 13/15

AUTHOR:

Tikhonov, M. N., Engineer

下到19日本的1月,用以用1世和以内容的1900年的2000年的1900年的1900年的1900年的1900年的1900年的1900年的1900年的1900年的1900年的1900年的1900年的1900年的1900年的1

TITLE:

Manufacture and Assembly of Pressure Regulator

Membranes (Obrabotka i sborka sil'fonov regulyatorov

davleniya)

PERIODICAL:

ENERGOMASHINOSTROYENIYE, 1957, No. 1, p. 27, (U.S.S.R.)

ABSTRACT:

Brief note. At the points of contact the flanges are treated with colophony. The joint is located in special ring-shaped slots on the front surfaces of the flanges. Such joints proved sufficiently dense under hydraulic

test pressures of 20 kg/cm2.

ASSOCIATION:

PRESENTED BY:

SUBMITTED:

AVAILABLE:

Library of Congress

SOV/117-58-11-18/36

AUTHORS:

Kotlyarov, Ya.L., Engineer, and Tikhonov, M.N.

TITLE:

The Manufacture of the Herringbone Wheels of a Gas Turbine Reduction Gear (Izgotovleniye shevronnykh koles gazoturbin-

nogo reduktora)

PERIODICAL:

Mashinostroitel', 1958, Fr 11, rp 22 - 23 (USSR)

ABSTRACT:

Herringbone wheels are made of steel type 38KhVFYu. The herringbones of Figure 1 are assembled on bolts, those of Figure 2 on a special setting. Cogs are cut as on spiral pinions. If the contact between the cogs is less than 80%, they are adjusted with electric carborundum Nr 280. After checking, the herringbone wheels are nitrated. There are

4 diagrams.

1. Reduction gears---Production 2. Gas turbines---Equipment

Card 1/1

TIKHONOV, M.P., mashinist ekskavatora

Without wasting time. Transp. stroi. 14 no.1:36 Ja '64.
(MIRA 17:8)

TIKHUNDU, M.S

USSR/Cultivated Plants - Grains.

M-2

Abs Jour

: Ref Zhur - Biol., No 20, 1953, 91638

Author

: Tikhonov, M.S.

Inst

: Scientific Research Institute of Agriculture for the Central Chernozem Soil Zone.

Title

: Agricultural Methods of Speeding-up the Ripening of Corn

Seeds.

Orig Pub

: Byul. nauchno-tekhn. inform. n-i. in-ta s. kh. tsentr.-

chernozem, polosy, 1957, No 3, 9-10.

Abstract

: Experiments were conducted in 1956 by the Scientific Research Institute of Agriculture for the Central Chernozen Zone on the study of agricultural methods of accelerating the ripening of corn seeds. A substantially effective method was found for the early ripening Voronechskaya

76 variety in craking open the cobs, then mowing the

Card 1/2

- 36 -

USSR/Cultivated Plants - Grains.

M-2

Abs Jour

: Ref Zhur - Biol., No 20, 1958, 91638

stalks and arranging them into sheaves, while for the late-ripening hybrid VIR 42 freeing the cobs of the jacket. -- M.V. Dranishnikov.

Card 2/2

33287. Opyt Polucheniya Servan Enogoletnikh Trav Iz Travesnesi. Agrobiologiya, 1947, No. 5, C. 130-33.

So: Letopis' Zhurnal'nykh Statey Vol. M5, Moskva, 1949

TIKHONOV, M. 3.

Alfalfa

"Steppe 600" variety of alfalfa. Dost.sel'khoz. No. 9, 1952.

Monthly List of Russian Accessions, Library of Congress, December 1952. Unclassified.

KALISTRATOV, Yu.A., doktor ekon. nauk,; TIKHOHOV, M.V., red.; KATSEV, I.G., red. izd-va,; SHAKHOV, S.N., tekhn. red.

[Economics of producing and distributing motion-picture films in the U.S.S.R.] Deconomika proizvodstva i obrashcheniia kinofil'mov v SSSR. Moskva, Gos. izd-vo "Iskusstvo," 1958. 392 p. (MIRA 11:12) (Motion-picture industry)

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755620005-0"

TIKHONOV, II. V.

USSR/ Agriculture - Genetics

Card 1/1 : Pub. 77 - 14/21

Authors 8 Tikhonov, M. V.

Title Hybrids of Academician Tsitsin

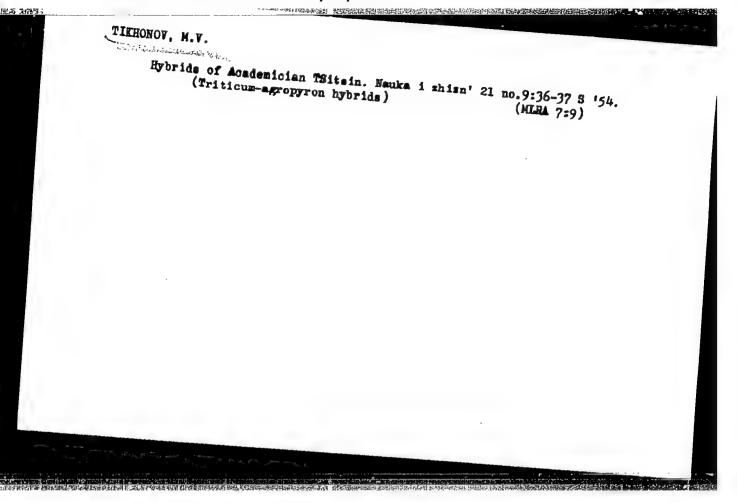
Periodical : Nauka i zhizn' 21/9, 36-37, Sep 1954

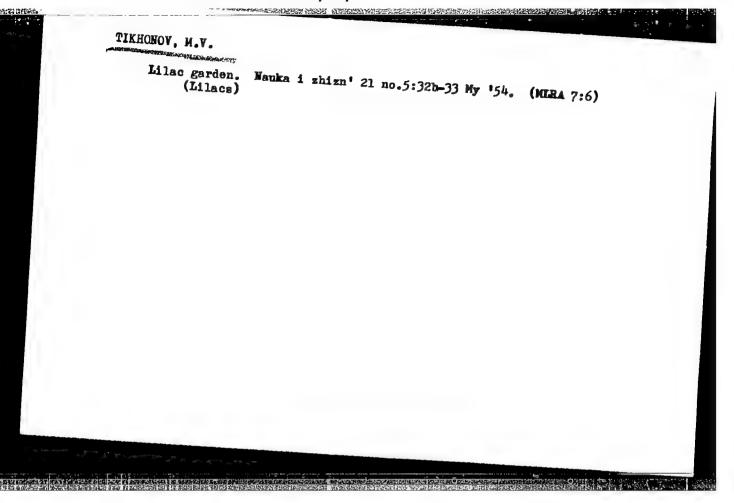
Abstract : Description is given of the work of Nikolay Vasilevich Tsitsin in crossing wild grasses with domestic grain in order to obtain more grains per head. The results of these experiments are stated.

Institution :
Submitted :

USSR/Agriculture Botany
Card : 1/1
Authors : Tikhonov, 4, V.
Title : The lilac garden

Periodical : Mauka i Zhizn'. 5, 33, May 1954
Abstract : Description and illustrations of the lilac garden in the city of Moscow,
Institution :
Submitted :





TIKHONOV, M.Ye. Mechanized steping in steep pitching seams using coal sawing machines. Ugol' 33 no.9:26-29 S 158.

(Coal mining machinery) (MIRA

(MIRA 12:1)

TIKHONOV, Mikhail Yegorovich, kand. tekhn. nauk; YEFREMOV, G.D., kand. tekhn. nauk, retsenzent; KOCHERGA, N.T., dnzh., red.izd-va; SHAFETA, S.M., tekhn. red.

[Means of controlling roofs]Sposoby upravleniia krovlei. Kiev, Gostekhizdat USSR, 1962. 150 p. (MIRA 16:3)

TIKHONOV, Mikhail Yegorovich [Tylhonov, M.IE.]; KOCHERGA, M. [Kocherha, M.],

red.; SHATETA, S., tekhn. red.

[New equipment and technology in the coal mining industry of the
Ukrainian S.S.R.] Nova tekhnika i tekhnologiia u vuhil'nii pronywalovosti URSR. Kyiv, Derzh. vyd-vo tekhn. lit-ry URSR, 1961.

(Ukraine—Coal mines andmining)

(Coal mining machinery)

TIKHONOV. M.Ye.; GRECHISHKIN, F.G.

Manless stoping. Ugol' Ukr. 4 no.7:44-45 Jl '60. (MIRA 13:8)

(Stoping (Mining)) (Automatic control)

Man States

TIMEDITY, M. Ye.: "The cost of holding up horizontal outs reinforced with metal supports in the miner of the central region of the Donbase," Fin Coal Industry USSR. Academ of the Carl Industry, Technical Sciences.)

So: Enizhmena leberial No. 22, 1936

TIKHONOV, Mikhail Yegorovich, gornyy inzhener; SREBNYY, I.I., redaktor; ALADOVA, Ye. I. tekhnicheskiy redaktor,

[Method of determining the cost of supporting mine workings with metal props.] Metod opredelenia stoimosti poddershania gornykh vyrabotok s metallicheskoi krep'iu. Moskva, Ugletekhizdat, 1955.

(Mine timbering) (MLRA 8:8)

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755620005-0"

OSTROVSKIY, S.B.; TIKHONOV, M.Ye.

Coal mining methods used in the Lvov-Volyn Basin. Ugol' 34 no.10:1-6 0 '59. (MIRA 13:2)

(Lvov-Volyn Basin--Coal mines and mining)

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755620005-0"

TIKHONOV, M.Ye., kand. tekhn. nauk; ZORIN, L.F., gornyy inzh.

Effectiveness of development mining methods in mines of the "Novovolynskugol!" Trust. Ugol' Ukr. 9 no.12:4-7 D '65.

(MIRA 19:1)

TIKHONOV, M. Ye., kand.tekhn.nauk

Lining of shaft bottom workings in the Novovolyn'sk mines.
Ugol' Ukr. 4 no.1:13-15 Ja '60. (MIRA 13:5)

(Lvov-Volyn' Basin-Mine timbering)

BONDARENKO, A.V.; FARBEROV, M.I.; KARAKULEVA, G.I.; KOMOLOVA, G.A.; TIKHVIRSKAYA, M.Yu.; Prinimal uchastiye PAVLOV, S.Yu., student

Synthesis of di-tert-butylbenzoic acid. Khim. i khim. tekh. 1:91-99 '62. (MIRA 17:2)

1. Yaroslavskiy tekhnologicheskiy institut i Nauchno-issledo-vatel'skiy institut monomerov dlya sinteticheskogo kauchuka.

TIKHONOV, N.

Gogol', Nikolay Vasil'y Evich, 1809-1852

A word about Gogol, Mol. kolkh, No. 3, 1952.

Monthly List of Pussian Accessions, Library of Congress, May 1952, Unclassified.

TIKHCNOV, Nikolay

Dva Potoka: Na Vtorchysemirnom Kongresse Mira /Two streams: On the Second World Peace Congress/ Moskva, Gos. izd-vc, Khudozhestvennoy Literatury,

74 p.

N/5 887 .T5

一个一个人,我们们是在一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我

TIKHONOV, N.

Why are we so few? NTO no.3:44-45 Mr 159. (MIRA 12:6)

1. Starshiy inzhener otdela glavnogo tekhnologa stankostroitel'nogo zavoda "Krasnyy proletariy."
(Moscow--Machine-tool industry)

Headlong pace of free China. IUn. tekh. 4 no.9:35-40 8 '59,
(China--Industries)

(MIRA 12:12)

A new world record has been set! Mast. ugl. 8 ne.7:4 Jl '59.

(MRA 12:10)

1. Brigadir prokhodchikev vertikal'nykh stvolov tresta Stalinshakhteprokhodka.

(Donets Basin--Coal mines and mining--Labor productivity)

THE PERSON OF THE PROPERTY OF THE PERSON OF

TIKHONOV, N.; ROSLINA, G., zootekhnik; PAVLOV, G.; KRASNOV, V.; ALEKSANDROV,

Floating duck house. Nauka i pered.op v sel'khoz. 9 no.12:
(MIRA 13:4)

1. Predsedatel' kolkhoza imeni Saltykova-Shchedrina, Taldomskogo rayona, Moskovskoy oblasti (for Tikhonov). 2. Kolkhoz imeni Saltykova-Shchedrina, Taldomskogo rayonnogo komiteta kommunisticheskoy partii Sovetskogo Soyuza (for Pavlov). 3. Chlenkorrespondent Vsesoyuznoy akademii sel'skokhozyaystvennykh nauk imeni Lenina (for Krasnov).

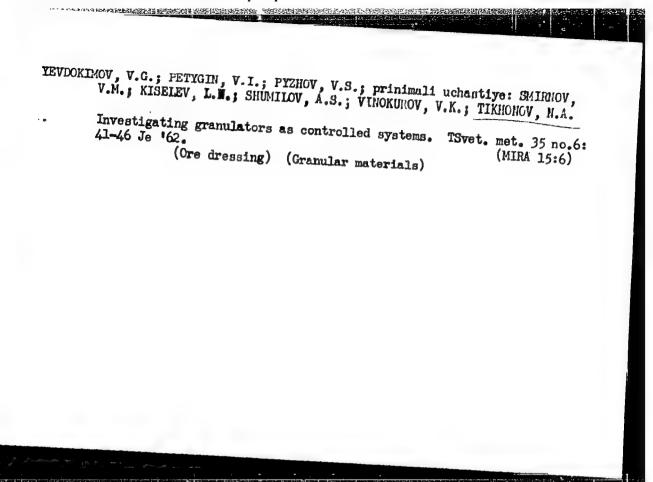
(Poultry houses and equipment)

ABALAKOV, Yevgeniy Mikhaylovich [deceased]; TIKHONOV, N., otv. red; LETAVET, A., otv. red.; BOL'SHAKOV, V.P., red.; DOROKHINA, I.N., tekhn. red.

[On the highest summits of the Soviet Union] Na vysochaishikh vershinakh Sovetskogo Soiuza. Moskva, Izd-vo AN SSSR, 1962. 489 p. (MIRA 16:10)

(Mountaineering)

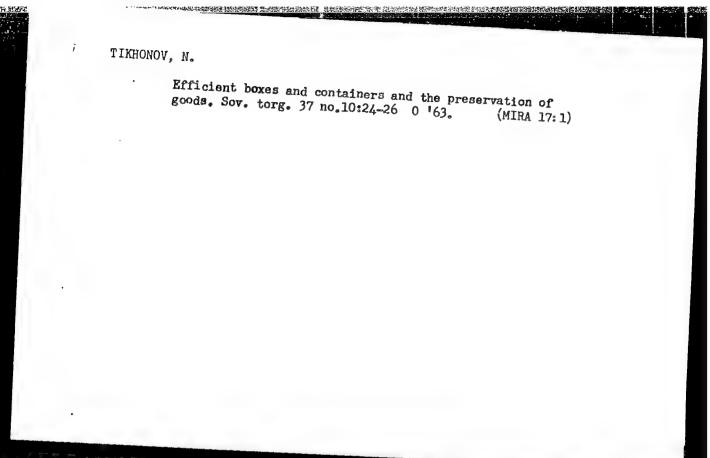
CIA-RDP86-00513R001755620005-0" APPROVED FOR RELEASE: 07/16/2001



IVANOVSKIY, V.; TIKHONOV, N., kand. ekonom. nauk

Studying the causes of personnel turnover and improving labor organization. Sots. trud 8 no.12:45-50 D '63. (MIRA 17:2)

1. Zaveduyushchiy promyshlenno-transportnym otdelom Leningradskogo gorodskogo komiteta Kommunisticheskoy partii Sovetskogo Soyuza (for Ivanovskiy). 2. Zamestitel¹ zaveduyushchego ideologicheskim otdelom Leningradskogo gorodskogo komiteta Kommunisticheskoy partii Sovetskogo Soyuza (for Tikhonov).



18.5100

81538 sov/137-59-5-11368

Translation from: Referativnyy zhurnal, Metallurgiya, 1959, Nr 5, p 269 (USSm)

AUTHORS:

Tikhonov, N.A., Osada, Ya.Ye., Rulla, N.V., Chukmasov, A.S., Trubchenko, P.A.

TITLE:

A New Technological Process in Pipe Rolling

PERIODICAL:

Byul, tekhn, inform, Dnepropetr, obl. otd. O-va po rasprostr. polit. 1 nauchn. znaniy UkrSSR, 1957, Nr 4 - 5, pp 43 - 45

ABSTRACT:

VNITI, together with the Yuzhnotrubnyy Plant developed and brought into use a new technology of manufacturing seamless steel pipes of carbon, alloyed and high-alloy steel grades. As the broaching operation has been eliminated it is now possible to produce seamless pipes from almost any steel grades. The cast steel is teemed through a special device into a rotating cylindrical chill mold. The inner surface of the chill is covered with a layer of sand to prevent the harmful effect of the liquid metal on the chill wall, to improve the quality of the casting and to facilitate its extraction from the chill; the sand is filled into the rotating chill prior to teeming the metal with the aid of a revolving groove. After solidification the casting is removed from the court, a

Card 1/2

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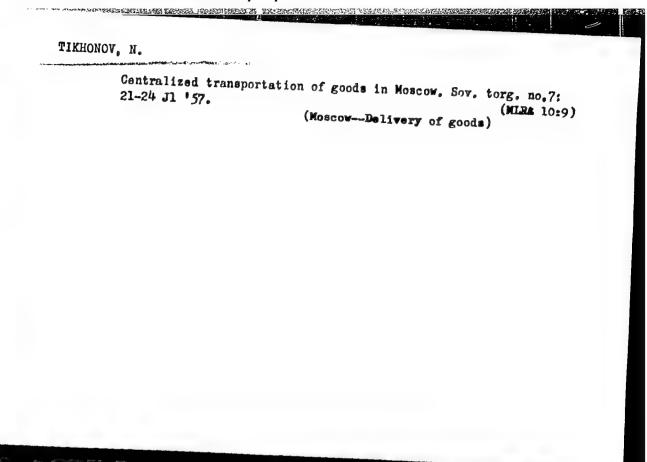
sov/137-59-5-11368

A New Technological Process in Pipe Rolling

cooled on shelves or in special pits. Subsequently, if necessary, it is subjected to mechanical treatment of its external and internal surfaces. The external diameter and the length of the castings are controlled by the dimensions of the chill and the wall thickness by the amount of the cast metal. The blanks are cast with an external diameter of 35 - 900 mm, 8 - 150 mm wall thickness, 300 - 5,500 mm length and 4 - 4,000 kg weight. Rolling is carried out in such a manner that changes in the diameter during the initial period of deformation, particularly, in rolling pipes of alloyed and high-alloy steel grades, is lative compression of the walls exceeds 30%, changes in the diameter can be performed within a considerable range. The introduction of the new technology resulted in the elimination of a number of remarks, reduction of investments, readuction of metal consumption for the manufacture of pipes of one steel grade by as well as electric power and fuel consumption; labor conditions were improved.

Ye.T.

Card 2/2



L'YOVA, I., kand. biol. nauk; SAKOVICH, I., studentka; TIKHONOV, N., kand. biol. nauk; MCRSHCHIKHINA, S., biolog.

A STATE OF THE PROPERTY OF THE

Biological investigation of the growth and development of cucumbers on unsheltered ground. Hauka i pered. op. v sel'khoz. 8 no.6:48-51 (MIRA 11:6)

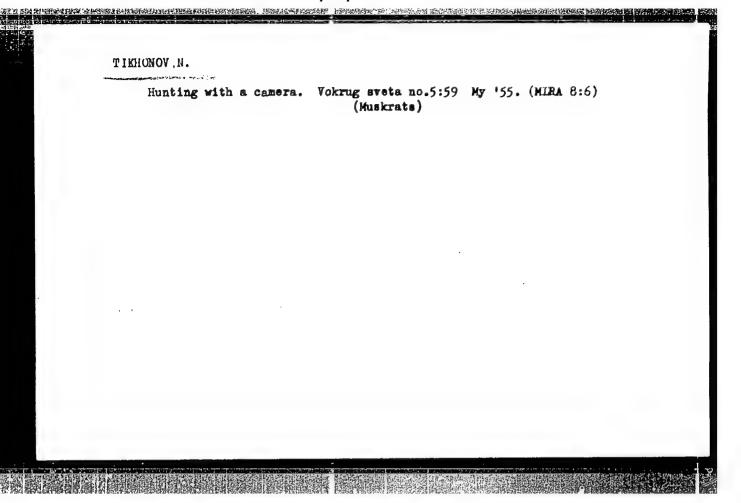
1. Moskovskiy ordena Lenina Gosudarstvennyy universitet imeni M.V.

(Cucumbers)

Main thing is to have varied tasty dishes. Obshchestv. pit.
no.9:43-45 S *58. (MRA 11:10)

1. Direktor restorana "Metropol'," Leningrad.
(Leningrad--Restaurants, lunchrooms, etc.)

TIKHONOV. Wikolay
Soviet firemen. Pozh.delo 3 no.11:2 W '57. (MIRA 10:11)



BARDIN, I.; BRIAN, R.; BEKHTIN, N.; BOYKO, V.; BORISOV, A.; BYCHKOV, V.;
VASILENKO, S.; VINOGRADOV, V.; VISHNEVSKIY, A.; VODNEV, G.; DVORIN,
S.; DZHAPARIDZE, Ye.; DIDENKO, V.; D'YAKONOV, N.; ZHURAVLEV, S.;
ZAKHAROV, A.; IVANOV, I.; HIRSANOV, M.; KOLYADA, G.; KOROBOV, P.;
LISKOV, A.; LUKICH, L.; LYUBIMOV, A.; MELESHKIN, S.; MYRTSYMOV, A.;
PERTSEV, M.; PETRUSHA, F.; PITERSKIY, A.; POPOV, I.; RAYZER, D.;
ROZHKOV, A.; SAPOZHNIKOV, L.; SEDOY, P.; SOKOLOV, P.; TEVOSYAN, I.;
TIKHONOV, N.; TISHCHENKO, S.; FILIPPOV, B.; FOMENKO, N.; SHELKOV,
A.; SHEREMET YEV, A.

Fedor Aleksandrovich Merkulov. Koks i khim.no.7:62 '56. (MLRA 9:12) (Merkulov, Fedor Aleksandrovich, 1900-1956)

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755620005-0"

TIKHONOV, N., lektor

Life calls for it; provide for scientific and technical knowledge of the people. Mest.prom.i khud.promys. 2 no.7:15 Jl '61. (MIRK 15:1)

1. Leningradskiy gorodskoy komitet Kommunisticheskoy partii
Sovetskogo Soyuza. (Leningrad-Universities and colleges)

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755620005-0"

On thermal conductivity of the system of solid solutions PbTe-PbS. Ye. D. Devyatkova, V. V. Tikhonov, N. A. Smirnov.

Change of the electrical properties of PbSe, PoTe, and PbS under close pressure. A. D. Averkin, A. A. Andreyev, I. G. Dombrovskaya, B. Ya. Moyznes, E. D. Nensberg.

Report presented at the 3rd National Conference on Semiconductor Compounds, Kishinev, 16-21 Sept 1963

<u>。 [1] 1988年11月1日 1988年11月日 1988年11月1日 1988年11月日 1988年11月日 1988年11月1日 1988年11月1日 1988年11月1日 1988年11月1日 1988年11月日 1988年11月日 1988年11月日 1988年11月日 1988年11月日 1988年11月日 1988年11日 1988年11月日 1988年11月年11月日 1988年11月日 1988年11月日 1988年11月年11月年11月年11月年1日 1988年11月年1日 1988年11月年11月年11日 1988年11月年11月年11月年11月年11月年11月年11日 1988年11月年11月年11日 1988年11月年</u>

DRUZHININ, A.V.; TIKHONOV, N.D.; SEREBRYAKOV, N.N.

Tectonic pebbles in disjunctive dislocations occurring among granitoids. Izv.vys.ucheb.zav.;geol.i.razv. 4 no.10:48-52 0 '61. (MIRA 14:12)

1. Moskovskiy institut tsvetnykh metallov i zolota imeni Kalinina. (Pebbles)

KOTLYAR, V.N.; SOLOV YEV, N.N.; TIRHONOV, N.D.

Geological characteristics of deposits associated with ancient volcanic structures. Geol. rud. mestorozh. 5 no.5: 18-34 S-0 163. (MIRA 16:11)

1. Moskovskiy institut stali.

DRUZHININ, A.V.; TIKHONOV, N.D.; ZUYEY, V.N.

Lead-zinc mineralization in molybdenum deposits of eastern Transbalkalia . Trudy IGEM no.83:505-522 163. (MIRA 16:11)

TIKHONOV, N. D.

THE REPORT OF STREET STREET, S

Conditions governing the formation of the stockwork deposit associated with volcanic vents (Transbaikalia). Izv. vys. uch. zav.: geol. i razv. 5 no.7:76-86 J1 62.

(MIRA 15:10)

1. Moskovskiy institut stali.

(Transbaikalia-Ore deposits)

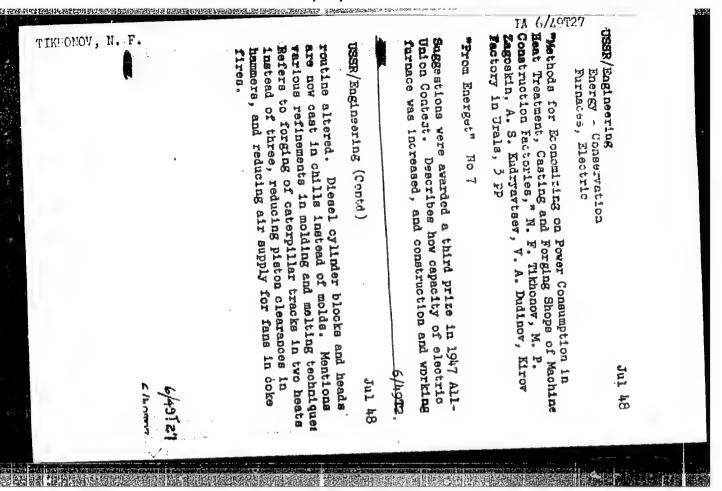
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DRUZHININ, A.V., aspirant; TIKHONOV, N.D.

Some characteristics of the distribution of tin ore, tin-tungsten, and molybdenum-complex metal deposits in eastern Transbaikalia.

Izv.vys. ucheb. zav.; geol. i razv. 7 no.7:62-67 Jl '64 (MIRA 18:2)

1. Universitet druzhby narodov im. P. Lumumby i Ministerstvo vysshego i srednego spetsial nogo obrazovaniya SSSR.



USSE/Electricity
Cables, Electric
Cables, High-Voltage

"Results of Maintenance Checks on High-Voltage Cables in Industrial Enterprises," N. F. Tikhonov, Engr., 3 pp

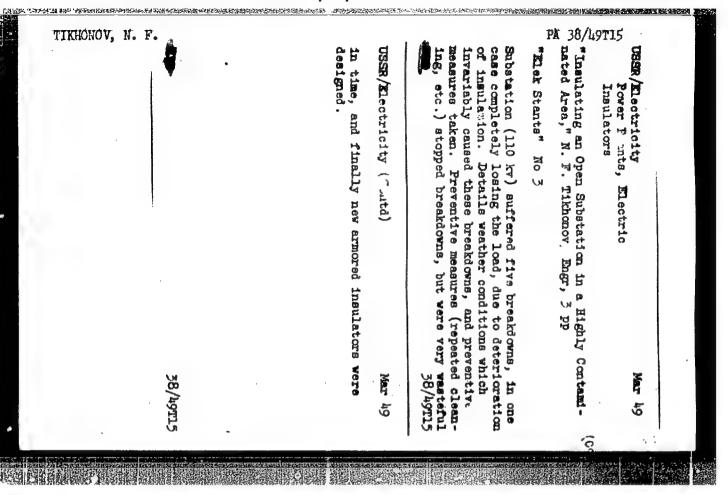
"Elek Stants" No 9

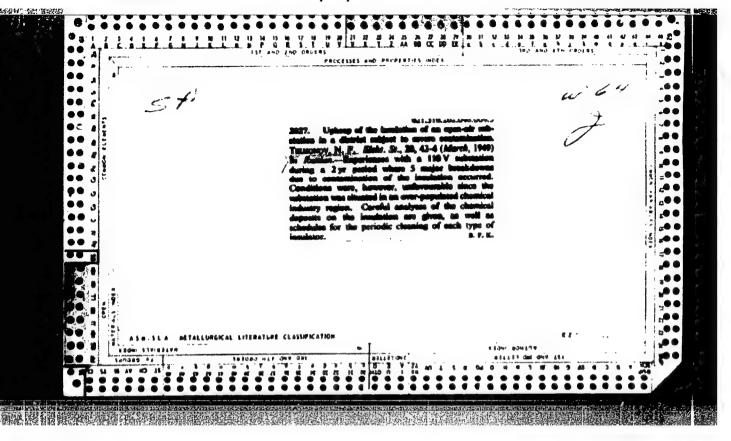
Describes methods used and tabulates results. Methods supplement official instructions on subject issued by Ministry of Electric Stations.

20/4979

"APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R001755620005-0





Voltage indicator for 100 to 400 volts. Prom.energ. 11 no.4:
8-11 Ap '56. (MIRA 9:7)

"Electrical in insering Handbook for Shop Fower ingineers", Chelyabinsk Oblast Izdatel'stvo, 347 p, 1950.

*	of unbal ploying parts.	USSR/E1	1	Describes valing electric ing electric increased by alloy such at time decrease	"Prom Energet"	"New Mad Relating Tikhono	USSR/E1	•
161T39	unbelanced induction dynamometers and em- pying the heat in electrolytes for hardening	USSR/Electricity - Power Economy, Elec- Apr 50 tric (Contd)	161139	Describes various factory methods of economizing electric power: life and quality of tools increased by covering cutting tools with hard alloy such as T15K6; speeding up metal-cutting time decreases number of machines in use; use	nerget" No 4	"New Machine-Building Techniques and Problems Relating to Economizing Electric Power," M. F. Tikhonov, Engr, 3½ pp	USSR/Electricity - Power Economy, Elec- Apr 50 tric Machine Building	1

THECON, E. F.

SIPHOD

174760

USSR/Electricity - Distribution Systems Transformers

Apr 51

"Grounding of the Neutral Points of Transformer Windings in 380-V Circuits," N. F. Tikhonov, Engr

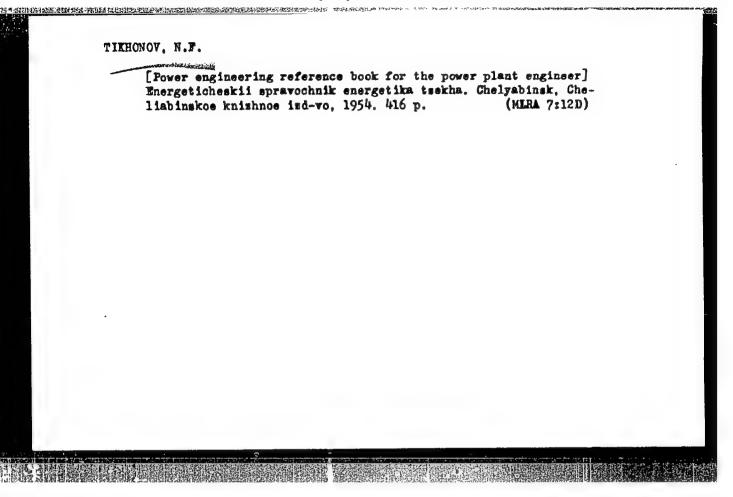
"Elektrichestvo" No 4, pp 63-65

Considers effect of grounding neutrals of 380-V transformers upon safety conditions and reliability of operation of industrial elec equipment. Statistics obtained starge metalworking plant were used as basis for study. Maintains grounding reduces danger of shock and makes for more reliable operation of elec equipment. Submitted 7 Aug 50.

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study on all disensition of the section of the sect	lectr	necti g in 1951, (All rep	riche	"Editor's Cosufficiency tric Shock'	VSSR/Electricity
r data		on wit "Elekt the I -Unior orted	stvo"	of St by L.	icity
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hock seests	ontd)	e arti No 12 etion 11 of stics		es on n Case skiy s	6
and beat for		les, 195 iv o rade ecto		'The se of l	
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	of data on elec shock and bccupeases have been re-established tific research institutes for land of Wissps.	ock (Contd) elec shock and be been re-establish ch institutes for	th the above articles, brichestvo" No. 12, 195 Labor Protection Div on Cen Council of Trade that statistics sector as on elec shock and be have been re-establishesearch institutes for SSFS.	No 6, p 80 th the above articles, brichestvo" No. 12, 195 Labor Protection Div on Cen Council of Trade that statistics sector as on elec shock and boase been re-establishesearch institutes for SSFS.	No 6, p 80 The above articles, brichestvo" No, 12, 195 Labor Protection Diver Cancel of Tradethat statistics sectors on elec shock and bease been re-establishesearch institutes for SSFS.

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TIKHONOV N.E.; KOPEYKINA, L.V., red.; BUL'DYAYEV, N.A., tekhn. red.

[Saving of electric power at the Chelyabinsk Tractor Factory] Ekonomia elektroemergii na Cheliabinskom Traktornom zavode. Moskva, Gosenergoizdat, 1963. 126 p.

(MIRA 16:6)

(Electric power)

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SOV/112-57-5-10152

Translation from: Referativnyy zhurnal. Elektrotekhnika, 1957, Nr 5, p 81 (USSR)

AUTHOR: Tikhonov, N. F.

TITLE: Insuring Service Continuity in Electric Supply of a Plant (Opyt obespecheniya bespereboynogo elektrosnabsheniya zavoda)

PERIODICAL: V sb.: Tr. Nuach.-tekhn. soveshchaniya po elektrosnab. prom. predpriyatiy. M.-L., Gosenergoizdat, 1956, pp 141-154

ABSTRACT: Information about failures per 100 units of 3-10-kv equipment for the last ten years (1945-1954) at Chelyabinskiy Kirovskiy zavod (Chelyabinsk Kirov Plant) shows that the failures were incidental. A systematic and abrupt reduction of such incidental faults is noted. During the 1950-1954 5-year period, there were one-third as many faults as during the preceding 5-year period. A number of steps were taken to increase the reliability of the electric supply at the plant: (1) To reduce short-circuit currents, the 110/10-kv and 10/3-kv transformers at the main step-down substation were sectionalized. (2) All

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Insuring Service Continuity In Electric Supply of a Plant

high-voltage equipment was tested for short-circuit current duty. Oil circuit breakers that did not pass the tests and other obsolete equipment were replaced. (3) Departmental transformer substations are now supplied by radial lines with a reserve single-fed or double-fed line; this measure has considerably increased the reliability of supply. (4) Over many years of operation, a standard scheme for a departmental substation has been worked out; there is a single two-section bus on the 10-kv side. A bus-tie disconnecting switch on the 10-kv side is normally closed. The 0.4-kv buses are sectionalized according to the number of transformers. (5) A new type of 0.4-kv switchgear is used; obsolete and unreliable type YaA automatic circuit-breakers, which were used in conjunction with 200-amp knife switches have been replaced by fused disconnecting switches. (6) On all 10-kv lines outgoing from the main step-down substation, a single-phase ground-fault protection has been installed that trips the breakers instantaneously. Many years of experience with this

Card 2/3

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Insuring Service Continuity in Electric Supply of a Plant

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protection have confirmed its high efficiency. (7) A considerable reduction in number of faults in intradepartmental supply underground-cable networks has been achieved after a reconstruction of the networks. As a part of a revamping, after 15-20 years of operation, the cables have been gradually transferred from the cable ducts onto metal racks or onto walls where they run at the level of the lower belt of girders. At the same time, cables unfit for further operation have been scrapped. Departmental substations do not have permanent personnel on duty; there is only one dispatcher's station whose personnel (5-6 men in a shift) effects the necessary switching operations in the supply scheme, issues work orders to repair crews at substations, carries out routine inspections, and cleans equipment and substation rooms.

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Card 3/3

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S/112/59/000/015/019/068

Translation from: Referativnyy zhurnal, Elektrotekhnika, 1959, No. 15, p. 83,

AUTHOR:

Tikhonov, N.F.

TITLE:

New Types of Insulation for Electrical Machines

PERIODICAL:

V sb.: Remont elektr. mashin i transformatorov, Chelyabinsk, 1958,

TEXT: A brief description is given of wires with new types of insulation. The high quality of insulation with silicoorganic materials is emphasized. When using new types of insulation materials for repairs of electrical machines at the "Chelyabinskiy traktornyy zavod" (Chelyabinsk Tractor Plant) it was found that enameled wires with viniflex insulation, type "|| 36" (PEV) had an unsatis-

Translator's note: This is the full translation of the original Russian

Card 1/1

AUTHOR:

Tikhonov, N. F., Engineer

94-58-6-1/19

TITLE:

The Power Economy of the Chelyabinsk Tractor Works During 25 Years (Energokhozyaystvo Chelyabinskogo

traktornogo zavoda za 25 let)

PERIODICAL: Promyshlennaya Energetika, 1958, Nr 6, pp 1 - 6 (USSR)

ABSTRACT: During the last 25 years the installed capacity of power plant in the Chelyabink Tractor Works has increased several times over, both by the installation of new plant and by the reconstruction of old. The boiler house output has been greatly increased and the processes of combustion and feed to the main boilers are just being made automatic. The experimental gas generating plant built in 1933 has been made permanent and delivers gas for the forge furnaces. The output of the gas generators has been doubled and the calorific value of the gas raised from 1430 to 1500 kcal/m3. The annual power consumption per worker employed has increased from 6123 kWh in 1933 to 11801 kWh in 1957. This has increased productivity and improved working conditions. The increased power consumption has resulted partly from extensions to the

Works but mainly from the introduction of improved Card 1/4 technological processes and mechanisation and from

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The Power Economy of the Chelyabinsk Tractor Works During 25 Years 94-58-6-1/19

improved lighting, heating and other working conditions. The power consumption of various shops in the Works in 1957 is tabulated, the foundries and power plants consume more than half the total power. Achievements in the economy of power are described. In the early stages power was economised mainly by adjustment of working schedules and by reducing losses. The way in which the power consumed in the manufacture of a tractor has been reduced over the years is plotted graphically in Fig.1.
The reduction of power consumption for the heat treatment of a ton of tractor parts is plotted in Fig. 2. staff participates actively in Power Economy Competitions A preventive maintenance system has been introduced and has proved very effective. It has reduced the number of plant outages and has increased plant life. particular mention is made of methods of repairing electric motors, which are varnish impregnated under pressure and dried by infra-red lamps. The electric power system has been reorganised. Steps have been taken to reduce short-circuit powers. Circuits of supply to shop sub-stations have been improved and made

Card 2/4 more reliable; a radial system of distribution is used

The Power Economy of the Chelyabinsk Tractor Works During 25 Years with some links between sub-stations. Sub-station

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arrangements have been standardised, the bus-bar sectionalisation on the high and low voltage sides is described. Protective relay circuits have been improved since the war, the system of protection against single phase 10 kV earth faults installed in 1943 has been particularly useful. As supply has become more reliable it has been possible to introduce distribution within the works at 10 kV, the previous 3 kV system being retained only for some small loads. The cable system was reconstructed, runs being made in metal ducts on the walls or structure. This has made the cable system more accessible and reliable. New cable was required because the use of 10 kV sub-stations made it New cable was not possible to shorten many runs and moreover 3 kV cable could be degraded to lower voltages. Overvoltage testing of cable systems was introduced. Working conditions have been much improved in respect of lighting. heating and ventilation. About 64% of the lighting system has been reconstructed during the last 10 years.

Card 3/4 Transformer neutrals were earthed mainly to reduce the

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The Power Economy of the Chelyabinsk Tractor Works During 25 Years risk of shock and this has been very successful. Heating of the shops has been improved, largely by making use of waste heat, as from steam hammers. A great of work and material was required to make full use of waste heat. A new method of using waste heat of steam consists in using the steam to heat water and adapting the existing steam heating systems to work on water. Special water heating installations have been made for this purpose and considerable economies have

Card 4/4 1. Industrial plants - Power 2. Industrial plants - Equipment 3. Power plants - Effectiveness

There are 3 figures and 1 table.

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l. Sotrudniki Novocherkasskogo nauchno-issledovatel'skogo instituta elektrovozostroyeniya.

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ZOLOTAREV, P.A.; ZUSMAN.VSKAYA, L.L.; IBRAGIMOV, K.G.; KO7OPEZOV,
M.A.; KOKOPEV, A.I.; KUPPIANOV, Yu.V.; KUFOCHYA, A.L., kand.
tekhn. nauk; LITVINOVA, L.M.; LOZANOVSKIY, A.L., kand. tekhn.
nauk; MAVDRIKOV, F.I.; MAKHAN¹KOV, L.V.; PUKALOV, V.I.; RAYLYAN,
A.F.; SVERDLOV, V.Ya.; SKLYAROV, B.S.; SOLOV¹YEV, K.M., kand.
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[VISO electric locomotive.] Electrovoz VASO. Novocherkassk. Nauchnoissledovatel'skii institut elektrovozostroeniia. Sbornik nauchnykh trudov, vol. 5) (MIRA 18:5)

TIKHONOV, Nikolay Gur'yevich; SHVETS, Yuriy Prokof'yevich; ROMASHKOV,
S.C., inzh., retsenzent; KALININ, V.K., kand. tekhn. nauk,
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[Electric relay of main line electric locomotives] Rele'maglatral'nykh elektrovozov. Moskva, Transheldorizdat, 1963.
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(Electric locomotives) (Electric relays)

TEKHONOV N. I.

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Materialy po raschetu gidravlicheskikh sistem samoleta. (Ezhektormaia podkachka v sisteme benzopitaniia samoleta). Hoskva, 1939. 16p., diagrs. (TSAGI. Tekhnicheskie zametki, no. 192)

Title tr.: Design of hydraulic systems of airplanes. (auxiliary injection pumos in aircraft fuel systems).

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SO: Aeronautical Sciences and Aviation in the Soviet Union, Library of Congress, 1955.

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"The Effect of a Tank's Vibration on Its Rate of Discharge (O Vlianii Vibratsii Baka na Skorost Yego Oporozhnenia)", Military viation Techmology, No 7-8, 1939

Baka na Skorost Yego Oporozhnenia)

TIKHONOV, N.I.

AID P - 3288

Subject

: USSR/Chemistry

Card 1/1

Pub. 78 - 18/24

Authors

: Put'kovskaya, S. S. and N. I. Tikhonov

Title

: Computation of fuel losses due to evaporation by the method of

direct comparison of samples

Periodical

: Neft. khoz., v. 33, #9, 78-82, S 1955

Abstract

In a multi-compound fuel, the more volatile lighter fractions evaporate quicker than the heavier fractions. Gradually, this evaporation changes the fuel's physical and chemical characteristics, its specific gravity, vapor tension etc. By comparing those characteristics of the fuel investigated in its original stage and after a certain time of evaporation, the evaporation losses can be determined. This is the basis of an apparatus which is described in this article. Diagrams, charts, table,

formulae.

Institution : None

Submitted

: No date

COUNTRY : USSR CATEGORY : Cultivated Plants. Cereals. M ABS. JOUR. : RZhBiol., No. 23 1958. No. 1046L1 AUTHOR small khanas and and. INST. : Sumsk Stete Agricultural Experiment Station. TITLE : Protein Content in the Kernels of Some Corn Varieties. ORTG. PUB. : Byul. nauchno-tekhn. inform. Sumsk. gos. s.-kh. opyth. st., 1957, vyp. 3, 8-11 ABSTRACT : In 1955-1956, 24 varieties of corn were studied for their yielding ability and protein content in the grain. In the selection of corn varieties for cultivation for grain, not only the yield of the grain should be taken into account, but also its protein content. Under the conditions of Sumskeya oblast', the following verieties and hybrids have the highest percentage of protein: Voronezhakaya 76, Odesskaya 5, Romenskaya, Bukovinskiy 1, Dnepropetrovskiy 31, which produce mature grain. -- G. V. Yakushkina CARD: 1/1 27

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UCSR/Cultivated Plants - Commercial. Off-Charing, Sugar-Bearing.

The Jour : How Work - Biol., No 19, 186, 58958

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Author : Will onov, H.I.

Inst : Sweek Nabe Agricultural Lighthountal Station.

Title : We Elfeev of Associates on the Sugar Each Crop.

Orig Pub : Tyul. nauchno-tokun. inform. Sumsk. gos. s.-kn. opy ...

co., 1057, vyp. 3, 21-22.

Abstract : The field experimence of all those Agricultural input en-

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Card 1/1

USSR/Soil Science. Organic Fertilizers

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Abs Jour : Ref Zhur - Biol., No 10, 1958, No 43860

具性的關鍵性的一個物學的問題的政治學的發展的

Author

¿ Tikhonov N.I.

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Not Given

Title

: The Effect of Composting Manure on Its Organic Substances

and Natrogen Content

Orig Pub : Byul. nauchno-tekhn. inform. Sumsk. gos. s.-kh. opytn. st.,

1957, vyp. 3, 37-41

Abstract : No abstract

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TIKHONOV, Nikolay Ivanovich [Tykhonov, M.I.], kand.sel'skokhoz.nauk; GIRKO, P.A. [Hirko, P.A.], prof., glav.red.

[Organic and mineral fertilizers are the foundation of good crops] Organichni i mineral ni dobryva - osnova vysokoho vrozhaiu. Kyiv. 1959. 27 p. (Tovarystvo dlia poshyrennia politychnykh i naukovykh snan' Ukrains'koi RSR. Ser.6, no.20).

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Testing method for thermostability under conditions of variable heat transfer. Zav. lab. 29 no.6:735-738 '63. (MIRA 1616)

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TIMHONOV, K.K., dotsent, kand. tekhn. nauk; MARAH Y WIN, A.K., kand. tekim. nauk, red.

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TIKHONOV, Nikolay Makarovich; MEDVEDEV, V.A., kand., ekon.nauk, nauchnyy red.; ERAILOVSKIY, V.A., red.izd-va; GURDZHIYEVA, A.M., tekhn. red.

[All for the benefit and welfare of the man] Vse vo imia cheloveka, dlia blaga cheloveka. Leningrad, Ob-vo po rasprostraneniiu polit. i nauchn. znanii RSFSR, 1962. 86 p.

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Methods for intravital examination of ovaries in cows. Veterinariia
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1. L'vovskiy zooveterinarnyy institut.

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K.K.; RTBAKOV, A.A.; KAHANYAN, P.G.; UL'YANISHCHEYA, A.M.; TIHOROV,
N.N.; KAZIZADE, P.N.; SIDERENKO, I.I.; SMIRHOV, V.P.; SHIDENKO,
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[Grusha] Pear. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1960, 534 p.

(Pear)

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ABRAMOV, V.V., doktor tekhn.nauk; ASTROV, Ye.I., kand.tekhn.nauk; TIKHONOV, N.N., inzh.; RESHNIN, N.Ya., inzh.; LUPANOVA, O.K., kand.tekhn.nauk

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ASTROV, Ye.I., dots., kand.tekhn.nauk; TIKHONOV, N.N., ingh,

Deformability of rimmed steel with varying macrostructure, Izv.
vys.ucheb.sav.; cherh.met. no.10:97-104 0 "5% (MIRA 11:12)

1. Gor'kovskiy politekhnicheskiy institut i Gor'kovskiy metallurgicheskiy savod.

(Deformations (Mechanics)) (Steel--Metallography)

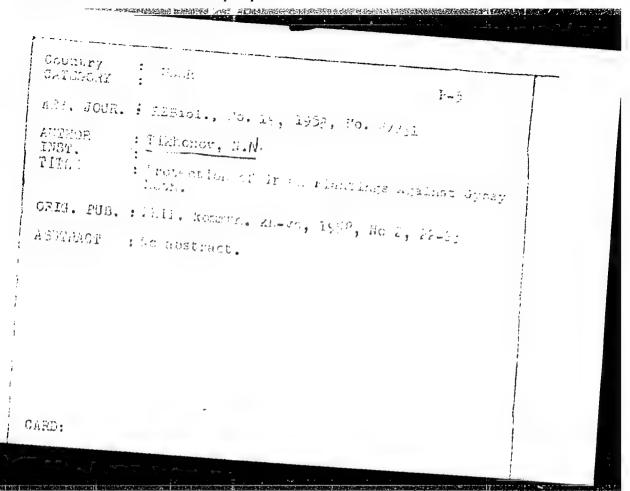
TIKHONOV, N. N.

Apple

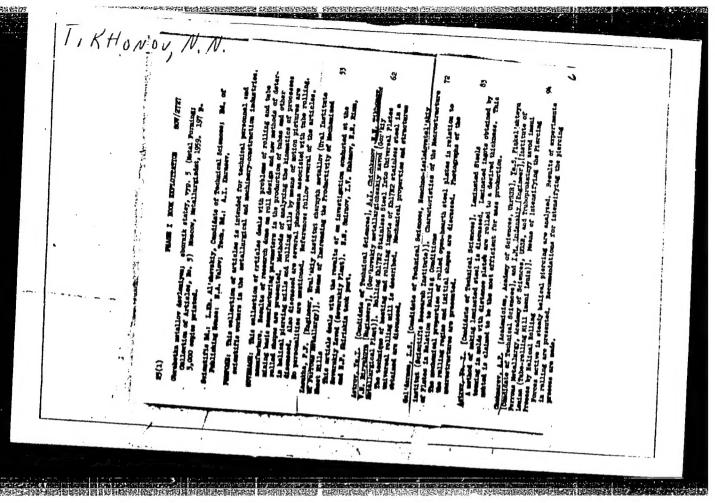
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